



M 6.4, 27 km SW of Pocito, Argentina

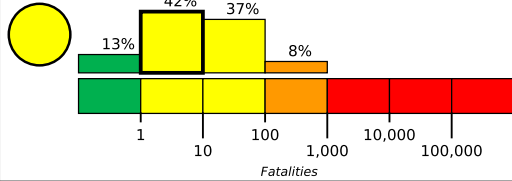
Origin Time: 2021-01-19 02:46:22 UTC (Mon 23:46:22 local)

Location: 31.8232° S 68.8182° W Depth: 20.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 1 day, 0 hours after earthquake

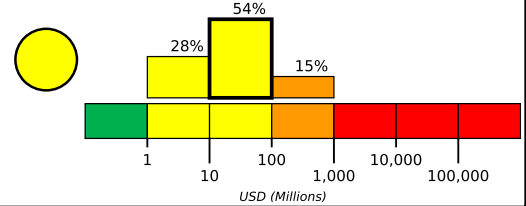
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Argentina.

Estimated Economic Losses

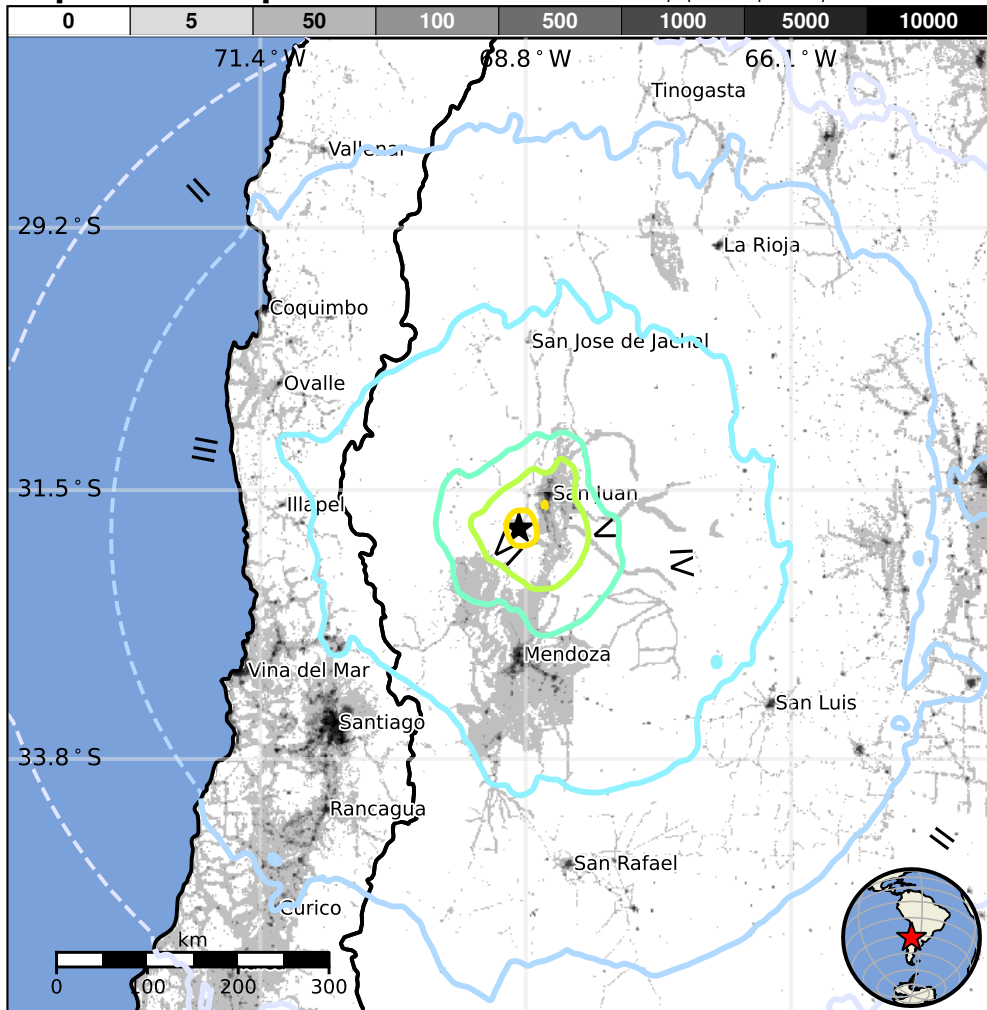


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		620k*	14,095k*	3,587k	292k	453k	224k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1971-07-09	228	7.8	VIII(755k)	83
1977-11-23	128	7.4	IX(20k)	70
1985-03-03	312	7.9	VII(5,319k)	177

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Pocito	41k
VII	Villa Aberastain	<1k
VII	San Juan	447k
VI	Villa Krause	<1k
VI	Villa Basilio Nieves	4k
VI	Santa Lucia	44k
IV	Mendoza	877k
IV	Santiago	4,837k
III	Cordoba	1,428k
III	Valparaiso	282k
I	Santiago del Estero	355k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000d18q#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000d18q